



Attorney Docket No. 1955 P 063

1745.  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Continuation Patent Application Of:  
Lawrence G. Clawson, et al.

Application No.: 09/681,159

Filed: February 2, 2001

For: APPARATUS FOR CONVERTING  
HYDROCARBON FUEL INTO HYDROGEN  
GAS AND CARBON DIOXIDE

Examiner: Not Assigned  
Art Unit: 1745

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:


Pursuant to 37 C.F.R. §§ 1.97 and 1.98, Applicants submit herewith Form PTO-1449, "Information Disclosure Statement." The present application is a continuation application of U.S. Application No. 09/185,393, filed November 3, 1998, which is a divisional application of U.S. Application No. 08/703,398, filed August 26, 1996 (now U.S. Patent No. 6,126,908, issued October 3, 2000). Accordingly, copies of patents, publications, or other information previously cited by the Examiner or submitted to the U.S. Patent and Trademark Office in the prior applications are not provided pursuant to 37 C.F.R. § 1.98(d).

The Examiner is requested to consider carefully the complete text of the enclosed references in connection with the examination of this application. It is requested that the listed references be made of record and included in the "References Cited" portion of any patent issuing from this application.

Since this Statement is being filed before the mailing date of a first Official Action on the merits, no fee is necessary. Please charge any fee associated with this Communication to our Deposit Account No. 23-0280.

Respectfully submitted,

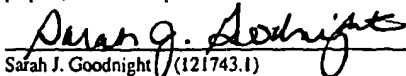
Dated: May 3, 2001

By: 

Robert W. Diehl, Reg. No. 35,118  
Customer No. 26851  
Wallenstein & Wagner, Ltd.  
311 S. Wacker Drive, 53rd Floor  
Chicago, Illinois 60606-6622  
(312) 554-3300

CERTIFICATE OF MAILING (37 C.F.R. § 1.8a)

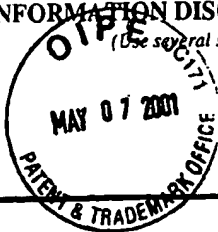
I hereby certify that this correspondence is, on the date shown below, being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231 on May 3, 2001.

  
Sarah J. Goodnight (121743.1)

RECEIVED  
MAY -9 2001  
TC 1700 MAIL ROOM

# INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)



Docket Number (Optional)

1955 P 063

Application Number

09/681,159

Applicant(s)

Lawrence G. Clawson, et al.

Filing Date

February 2, 2001

Group Art Unit

1745

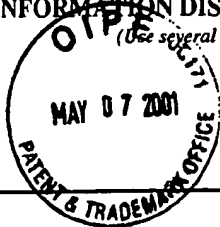
## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		*5,792,572	08/11/1998	Foley, et al.			
		*5,733,347	03/31/1998	Lesieur			
		*5,700,595	12/23/1997	Reiser			
		*5,651,800	07/29/1997	Mizuno, et al.			
		*5,648,182	07/15/1997	Hara, et al.			
		*5,645,950	07/08/1997	Benz, et al.			
		*5,643,692	07/01/1997	Ohmi			
		*5,637,415	06/10/1997	Meltser, et al.			
		*5,546,701	08/20/1996	Greiner, et al.			
		*5,529,484	06/25/1996	Moard, et al.			
		*5,527,632	06/18/1996	Gardner			
		*5,503,944	04/02/1996	Meyer, et al.			
		*5,486,428	01/23/1996	Gardner, et al.			
		*5,486,313	01/23/1996	DeJong, et al.			
		*5,484,577	01/16/1996	Buswell, et al.			
		*5,470,360	11/28/1995	Sederquist			
		*5,458,857	10/17/1995	Collins, et al.			
		*5,451,249	09/19/1995	Spiegel, et al.			
		*5,441,546	08/15/1995	Moard, et al.			
		*5,437,123	08/01/1995	Greiner, et al.			
		*5,419,978	05/30/1995	Landau			
		*5,360,679	11/01/1994	Buswell, et al.			
		*5,346,779	09/13/1994	Nakazawa			
		*5,344,721	09/06/1994	Sonai, et al.			
		*5,340,663	08/23/1994	Buswell, et al.			
		*5,330,857	07/19/1994	Sederquist, et al.			
		*5,316,747	05/31/1994	Pow, et al.			
		*5,300,275	04/05/1994	Lywood			
		*5,299,536	04/05/1994	Moard, et al.			
		*5,275,632	01/04/1994	Corrigan			
		*5,260,640	11/09/1993	Carabetta, et al.			
		*5,248,567	09/28/1993	Amemiya, et al.			
		*5,248,566	09/28/1993	Kumar, et al.			
		*5,246,791	09/21/1993	Fisher, et al.			
		*5,221,586	06/22/1993	Morimoto, et al.			

RECEIVED  
MAY - 9 2001  
TC 1700 MAIL ROOM

# INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)



Docket Number (Optional)

1955 P 063

Application Number

09/681,159

Applicant(s)

Lawrence G. Clawson, et al.

Filing Date

February 2, 2001

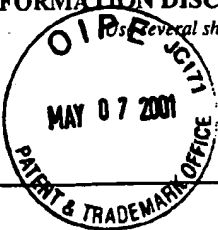
Group Art Unit

1745

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		*5,207,185	05/04/1993	Greiner, et al.			
		*5,202,195	04/13/1993	Stedman, et al.			
		*5,200,278	04/06/1993	Watkins, et al.			
		*5,193,635	03/16/1993	Mizuno, et al.			
		*5,141,823	08/25/1992	Wright, et al.			
		*5,084,363	01/28/1992	Reiser			
		*5,059,494	10/22/1991	Vartanian, et al.			
		*5,047,299	09/10/1991	Shockling			
		*5,030,661	07/09/1991	Lywood			
		*5,030,440	07/09/1991	Lywood, et al.			
		*5,026,536	06/25/1991	Shioiri, et al.			
		*5,019,463	05/28/1991	Matsubara, et al.			
		*5,006,131	04/09/1991	Karafian, et al.			
		*4,994,331	02/19/1991	Cohen			
		*4,988,580	01/29/1991	Ohsaki, et al.			
		*4,973,529	11/27/1990	Grasso, et al.			
		*4,973,528	11/27/1990	Sanderson			
		*4,943,493	07/24/1990	Vartanian			
		*4,923,768	05/08/1990	Kaneko, et al.			
		*4,923,767	05/08/1990	Grasso, et al.			
		*4,909,808	03/20/1990	Voecks			
		*4,904,455	02/27/1990	Karafian, et al.			
		*4,897,253	01/30/1990	Jenkins			
		*4,888,031	12/19/1989	Martens			
		*4,879,189	11/07/1989	Snopkowski			
		*4,865,926	09/12/1989	Levy, et al.			
		*4,861,347	08/29/1989	Szydlowski, et al.			
		*4,849,187	07/18/1989	Uozu, et al.			
		*4,838,020	06/13/1989	Fujitsuka			
		*4,836,831	06/06/1989	Martens			
		*4,835,072	05/30/1989	Grasso, et al.			
		*4,830,091	05/16/1989	Dierke, et al.			
		*4,828,940	05/09/1989	Cohen, et al.			
		*4,822,521	04/18/1989	Fuderer			

RECEIVED  
MAY 9 2001  
TO 1700 MAIL ROOM

# INFORMATION DISCLOSURE STATEMENT



Docket Number (Optional)

1955 P 063

Application Number

09/681,159

Applicant(s)

Lawrence G. Clawson, et al.

Filing Date

February 2, 2001

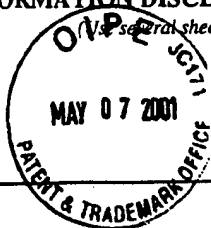
Group Art Unit

1745

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		*4,816,040	03/28/1989	Bonville, et al.			
		*4,804,591	02/14/1989	Grasso, et al.			
		*4,801,356	01/31/1989	Grasso			
		*4,792,502	12/20/1988	Trocciola, et al.			
		*4,789,540	12/06/1988	Jenkins			
		*4,789,384	12/06/1988	Martens, et al.			
		*4,781,241	11/01/1988	Misage, et al.			
		*4,743,517	05/10/1988	Cohen, et al.			
		*4,738,903	04/19/1988	Garow, et al.			
		*4,737,161	04/12/1988	Szydlowski, et al.			
		*4,729,930	03/08/1988	Beal, et al.			
		*4,716,023	12/29/1987	Christner, et al.			
		*4,678,723	07/07/1987	Wertheim			
		*4,670,357	06/02/1987	Taylor			
		*4,522,894	06/11/1985	Hwang, et al.			
		*4,504,447	03/12/1985	Spurrier, et al.			
		*4,476,683	10/16/1984	Shah, et al.			
		*4,452,854	06/05/1984	Merriam, et al.			
		*4,365,006	12/21/1982	Baker			
		*4,338,292	07/06/1982	Duranleau			
		*4,257,920	03/24/1981	Sugier, et al.			
		*4,236,941	12/02/1980	Main, Jr.			
		*4,233,180	11/11/1980	Hausberger, et al.			
		*4,125,090	11/14/1978	Masunaga, et al.			
		*4,059,076	11/22/1977	Kosaka, et al.			
		*3,982,910	09/28/1976	Houseman, et al.			
		*3,971,847	07/27/1976	Houseman			
		*3,955,941	05/11/1976	Houseman, et al.			
		*3,920,416	11/18/1975	Houseman			
		*3,909,299	09/30/1975	Corrigan			
		*3,796,547	03/12/1974	Muenger			
		*3,787,038	01/22/1974	Tesner, et al.			
		*3,666,682	05/30/1972	Muenger			
		*3,666,423	05/30/1972	Muenger			

RECEIVED  
MAY 5 2001  
PC 1700 MAIL ROOM

# INFORMATION DISCLOSURE STATEMENT



Docket Number (Optional)

1955 P 063

Application Number

09/681,159

Applicant(s)

Lawrence G. Clawson, et al.

Filing Date

February 2, 2001

Group Art Unit

1745

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		*3,645,701	02/29/1972	Banchik, et al.			
		*3,615,217	10/26/1971	O'Brien, et al.			
		*3,541,729	11/24/1970	Dantowitz			
		*3,531,263	09/29/1970	Sederquist			
		*3,499,797	03/10/1970	Hooper			
		*3,438,759	04/15/1969	Linden, et al.			
		*3,367,882	02/06/1968	Marshall, Jr.			
		*3,334,971	08/08/1967	James, et al.			
		*1,797,426	03/24/1931	Larson			

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		*International Publication No. WO 97/44123	27.11.1997	PCT				
		*International Publication No. WO 98/08771	05.03.1998	PCT				
		*EPO Publication No. 0 312 757 A1	16.04.1989	EPO				
		*EPO Publication No. 0 360 505 A2	28.03.1990	EPO				
		*EPO Publication No. 0 361 648 A1	04.04.1990	EPO				
		*EPO Publication No. 0 112 613 A2	04.07.1984	EPO				
		*EPO Publication No. 0 600 621 A1	08.06.1994	EPO				
		*EPO Publication No. 0 621 1501 (Abstract Only)	02.08.1994	EPO				
		*UK Publication No. 2 084 894 A	21.04.1982	UK				
		*UK Publication No. 2 179 366 A	04.03.1987	UK				
		*UK Publication No. 2268 322 A	05.01.1994	UK				
		*UK Publication No. 2 296 719	10.07.1996	UK				
		*UK Publication No. 1 060 166	08.09.1964	UK				
		*UK Publication No. 1 408 560	01.10.1975	UK				
		*Canadian International Application No. 2,030,915	27.11.1990	CA				

RECEIVED  
MAY 9 2001  
TE 1700 MAIL ROOM

# INFORMATION DISCLOSURE STATEMENT

(3) Do not staple sheets if necessary)



Docket Number (Optional)

1955 P 063

Application Number

09/681,159

Applicant(s)

Lawrence G. Clawson, et al.

Filing Date

February 2, 2001

Group Art Unit

1745

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

\*Houseman, J., et al., "On-Board Hydrogen Generator for a Partial Hydrogen Injection Internal Combustion Engine," Society of Automotive Engineers, West Coast Meeting, Anaheim, California, August 12-16, 1974, pp. 1-13.

\*Twigg, M.V., Editor, "Zink Oxide," Catalyst Handbook, Second Edition, Sections 4.11.1 to 4.11.9, Wolfe Publishing, 1989.

\*Catalytica Associates, Inc., "Overview of Fuel-Processing Technologies for Fuel-Cell Power Generation," Catalytica File No. 1036, November 6, 1978.

\*Little, Arthur D., "On-Board Ethanol Fuel Processor: Integrated System Design," February 15, 1995, Washington, D.C., U.S.A.

\*Little, Arthur D., "Development of an Ethanol Reformer for a Fuel Cell Bus," May 10, 1995, Des Moines, Iowa, U.S.A.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-A820 (also form PTO-1449)

\*A copy of the document listed was either previously cited by the Examiner or submitted to the United States Patent and Trademark Office in an Information Disclosure Statement for U.S. Application No. 09/185,393 filed November 3, 1998. The present application is a continuation of U.S. Application No. 09/185,393 filed November 3, 1998, which is a divisional of U.S. Application No. 08/703,398 filed August 26, 1996 (now U.S. Patent No. 6,126,908 issued October 3, 2000). Pursuant to 37 CFR 1.98(d), a copy of this document is not required and therefore not enclosed.

(121660.1)

RECEIVED  
MAY - 9 2001  
TC 1700 MAIL ROOM